

WHAT IS CLAIMED IS:

1. A printing apparatus comprising:

instruction means for issuing a print cancel instruction;

- 5 notification means for, in response to the print cancel instruction by said instruction means, notifying a higher-order apparatus of print cancellation, to cause said higher-order apparatus to stop generation of print data and to output predetermined data; and

- 10 processing means for, after issuance of the print cancel instruction by said instruction means, deleting the print data until the predetermined data, outputted by said higher-order apparatus in response to a notification of print cancellation by said notification
15 means, is inputted.

2. The printing apparatus according to claim 1, wherein said predetermined data indicates end of print job.

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3. The printing apparatus according to claim 1, wherein said predetermined data includes an end mark.

4. The printing apparatus according to claim 1,
25 further comprising print means for performing printing based on the print data inputted from said higher-order apparatus.

5. The printing apparatus according to claim 1,
wherein communication with said higher-order apparatus
is made by packet communication, and wherein said
5 notification means notifies said higher-order apparatus
of the print cancellation, to cause said higher-order
apparatus to output dummy data for adjustment of packet
data length and to output a packet including
predetermined data, in response to the print cancel
10 instruction by said instruction means.

6. The printing apparatus according to claim 1,
further comprising means for printing information on the
print cancellation on a recording medium on which an
15 image is printed based on print data.

7. The printing apparatus according to claim 1,
wherein said predetermined data includes a control code
indicating end of print job.
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8. The printing apparatus according to claim 1,
wherein after the issuance of the print cancel
instruction by said instruction means, said processing
means causes paper discharge, inputs the print data from
25 said higher-order apparatus , and deletes the print data
until the predetermined data, outputted from said
higher-order apparatus in response to the notification

of print cancellation by said notification means, is inputted.

9. A printing system having a higher-order apparatus
5 and a printing apparatus,

wherein said printing apparatus having:
instruction means for issuing a print cancel
instruction; notification means for, in response to the
print cancel instruction by said instruction means,
10 notifying a higher-order apparatus of print
cancellation; and processing means for, after issuance
of the print cancel instruction by said instruction
means, deleting the print data until predetermined data
outputted by said higher-order apparatus is inputted,
15 wherein said higher-order apparatus having means
for, in response to a notification of print cancellation
by said notification means, stopping generation of print
data, and outputting the predetermined data.

- 20 10. The printing system according to claim 9, wherein
said predetermined data indicates end of print job.

11. The printing system according to claim 9, wherein
said predetermined data includes an end mark.

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12. The printing system according to claim 9, wherein
said printing apparatus has print means for performing

printing based on the print data inputted from said higher-order apparatus .

13. The printing system according to claim 9, wherein
5 communication with said higher-order apparatus is made by packet communication, and wherein said notification means notifies said higher-order apparatus of print cancellation, to cause said higher-order apparatus to output dummy data for adjustment of packet data length
10 and to output a packet including predetermined data in response to the print cancel instruction by said instruction means.

14. The printing system according to claim 9, further
15 comprising means for printing information on the print cancellation on a recording medium on which an image is printed based on print data.

15. The printing system according to claim 9, wherein
20 said predetermined data includes a control code indicating end of print job.

16. The printing system according to claim 9, wherein
after the issuance of the print cancel instruction by
25 said instruction means, said processing means causes paper discharge, inputs the print data from said higher-order apparatus , and deletes the print data until the

predetermined data, outputted from said higher-order apparatus in response to the notification of print cancellation by said notification means, is inputted.

- 5 17. A printing cancellation method comprising:

a determination step of determining whether or not a print cancel instruction has been inputted during printing based on print data;

- 10 a notification step of, if it is determined at said determination step that the print cancel instruction has been inputted, notifying a higher-order apparatus of print cancellation, to cause said higher-order apparatus to stop generation of the print data and to output predetermined data; and

- 15 a processing step of, after input of the print cancel instruction, deleting the print data until the predetermined data, outputted by said higher-order apparatus in response to a notification of print cancellation at said notification step, is inputted.

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18. The printing cancellation method according to claim 17, wherein said predetermined data indicates end of print job.

- 25 19. The printing cancellation method according to claim 17, wherein said predetermined data includes an end mark.

20. The printing cancellation method according to claim 17, further comprising a print step of performing printing based on the print data inputted from said
5 higher-order apparatus .

21. The printing cancellation method according to claim 17, wherein communication with said higher-order apparatus is made by packet communication, and wherein
10 at said notification step, said higher-order apparatus is notified of print cancellation, thereby caused to output dummy data for adjustment of packet data length and to output a packet including predetermined data, in response to the print cancel instruction at said
15 instruction step.

22. The printing cancellation method according to claim 17, further comprising the step of printing information on the print cancellation on a recording
20 medium on which an image is printed based on print data.

23. The printing cancellation method according to claim 17, wherein said predetermined data includes a control code indicating end of print job.

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24. The printing cancellation method according to claim 17, wherein at said processing step, after the

input of the print cancel instruction at said instruction step, paper discharge is caused, the print data is inputted from said higher-order apparatus , and the print data is deleted until the predetermined data, 5 outputted from said higher-order apparatus in response to the notification of print cancellation at said notification step, is inputted.

25. A storage medium holding a program having:
- 10 a determination step of determining whether or not a print cancel instruction has been inputted during printing based on print data;
- a notification step of, if it is determined at said determination step that the print cancel
- 15 instruction has been inputted, notifying a higher-order apparatus of print cancellation, to cause said higher-order apparatus to stop generation of the print data and to output predetermined data; and
- a processing step of, after input of the print
- 20 cancel instruction, deleting the print data until the predetermined data, outputted by said higher-order apparatus in response to a notification of print cancellation at said notification step, is inputted.

- 25 26. The storage medium according to claim 25, wherein said predetermined data indicates end of print job.

27. The storage medium according to claim 25, wherein said predetermined data includes an end mark.

28. The storage medium according to claim 25, wherein
5 said program further having the step of performing printing based on the print data inputted from said higher-order apparatus.

29. The storage medium according to claim 25, wherein
10 communication with said higher-order apparatus is made by packet communication, and wherein at said notification step, said higher-order apparatus is notified of print cancellation, thereby caused to output dummy data for adjustment of packet data length and to
15 output a packet including predetermined data, in response to the print cancel instruction at said instruction step.

30. The storage medium according to claim 25, wherein
20 said program further comprising the step of printing information on the print cancellation on a recording medium on which an image is printed based on print data.

31. The storage medium according to claim 25, wherein
25 said predetermined data includes a control code indicating end of print job.

32. The storage medium according to claim 25, wherein after the input of print cancel instruction at said instruction step, at said processing step, paper discharge is caused, the print data is inputted from
5 said higher-order apparatus , and the print data is deleted until the predetermined data, outputted from said higher-order apparatus in response to the notification of print cancellation at said notification step, is inputted.

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33. A program having:

a determination step of determining whether or not a print cancel instruction has been inputted during printing based on print data;

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a notification step of, if it is determined at said determination step that the print cancel instruction has been inputted, notifying a higher-order apparatus of print cancellation, to cause said higher-order apparatus to stop generation of the print data and

20 to output predetermined data; and

a processing step of, after input of the print cancel instruction, deleting the print data until the predetermined data, outputted by said higher-order apparatus in response to a notification of print

25 cancellation at said notification step, is inputted.

34. The program according to claim 33, wherein said

predetermined data indicates end of print job.

35. The program according to claim 33, wherein said predetermined data includes an end mark.

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36. The program according to claim 33, further having a print step of performing printing based on the print data inputted from said higher-order apparatus .

10 37. The program according to claim 33, wherein communication with said higher-order apparatus is made by packet communication, and wherein at said notification step, said higher-order apparatus is notified of print cancellation, thereby caused to output
15 dummy data for adjustment of packet data length and to output a packet including predetermined data, in response to the print cancel instruction at said instruction step.

20 38. The program according to claim 33, further having the step of printing information on the print cancellation on a recording medium on which an image is printed based on print data.

25 39. The program according to claim 33, wherein said predetermined data includes a control code indicating end of print job.

40. The program according to claim 33, wherein after the input of print cancel instruction at said instruction step, at said processing step, paper
5 discharge is caused, the print data is inputted from said higher-order apparatus , and the print data is deleted until the predetermined data, outputted from said higher-order apparatus in response to the notification of print cancellation at said notification
10 step, is inputted.

41. An information processing apparatus comprising:
determination means for, when print data is generated and transferred to a printing apparatus,
15 determining whether or not a notification of print cancellation has been received from the printing apparatus; and

transfer means for, if said determination means determines that the notification of print cancellation
20 has been received, stopping generation of the print data, and transferring predetermined data indicating a break of the print data, deleted after issuance of the notification of print cancellation from the printing apparatus, to the printing apparatus.

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42. An information processing method comprising:
a determination step of, when print data is

generated and transferred to a printing apparatus,
determining whether or not a notification of print
cancellation has been received from the printing
apparatus; and

- 5 a transfer step of, if it is determined at said
determination step that the notification of print
cancellation has been received, stopping generation of
the print data, and transferring predetermined data
indicating a break of the print data, deleted after
10 issuance of the notification of print cancellation from
the printing apparatus, to the printing apparatus.

43. A printing processing program having:

- a determination step of, when print data is
15 generated and transferred to a printing apparatus,
determining whether or not a notification of print
cancellation has been received from the printing
apparatus; and

- a transfer step of, if it is determined at said
20 determination step that the notification of print
cancellation has been received, stopping generation of
the print data, and transferring predetermined data
indicating a break of the print data, deleted after
issuance of the notification of print cancellation from
25 the printing apparatus, to the printing apparatus.

44. A storage medium holding a printing processing

program having:

a determination step of, when print data is generated and transferred to a printing apparatus, determining whether or not a notification of print
5 cancellation has been received from the printing apparatus; and

a transfer step of, if it is determined at said determination step that the notification of print cancellation has been received, stopping generation of
10 the print data, and transferring predetermined data indicating a break of the print data, deleted after issuance of the notification of print cancellation from the printing apparatus, to the printing apparatus.

15 45. The printing apparatus according to claim 1, wherein said higher-order apparatus transmits the print data before a break of command and then outputs said predetermined data to said printing apparatus, in response to the issuance of the print cancel instruction
20 by said instruction means.

46. The printing system according to claim 9, wherein said higher-order apparatus transmits the print data before a break of command and then outputs said
25 predetermined data to said printing apparatus, in response to the issuance of the print cancel instruction by said instruction means.

47. The printing cancellation method according to claim 17, wherein said higher-order apparatus transmits the print data before a break of command and then
- 5 outputs said predetermined data to said printing apparatus, in response to the issuance of the print cancel instruction.
48. The storage medium according to claim 25, wherein
- 10 said higher-order apparatus transmits the print data before a break of command and then outputs said predetermined data to said printing apparatus, in response to the issuance of the print cancel instruction.
- 15 49. The program according to claim 33, wherein said higher-order apparatus transmits the print data before a break of command and then outputs said predetermined data to said printing apparatus, in response to the issuance of the print cancel instruction.
- 20 50. The information processing apparatus according to claim 41, wherein if said determination means determines that the notification of print cancellation has been received, said transfer means transmits the print data
- 25 before the break of command, and then outputs said predetermined data to said printing apparatus.

51. The information processing method according to claim 42, wherein if it is determined at said determination step that the notification of print cancellation has been received, the print data before the break of command is transmitted and then said predetermined data is outputted to said printing apparatus at said transfer step.

52. The printing processing program according to claim 43, wherein if it is determined at said determination step that the notification of print cancellation has been received, the print data before the break of command is transmitted and then said predetermined data is outputted to said printing apparatus at said transfer step.

53. The printing processing program according to claim 44, wherein if it is determined at said determination step that the notification of print cancellation has been received, the print data before the break of command is transmitted and then said predetermined data is outputted to said printing apparatus at said transfer step.